



## Restitution

by Arya Akhavan (May 2013)

Angles for R.I. = 2.160

97 + 12 girdles = 109 facets

6-fold, mirror-image symmetry

96 index

$L/W = 1.000$   $T/W = 0.462$   $U/W = 0.446$

$P/W = 0.471$   $C/W = 0.152$

$Vol./W^3 = 0.216$

### PAVILION

P1	45.00°	96-08-16-24-32-40-48-56-64-72-80-88	Cut to centerpoint.
G1	90.00°	96-08-16-24-32-40-48-56-64-72-80-88	Set stone size.
P2	43.65°	07-09-23-25-39-41-55-57-71-73-87-89	Meet P1, G1
P3	42.82°	01-15-17-31-33-47-49-63-65-79-81-95	Meet P1, G1, P2

### CROWN

C1	40.00°	96-08-16-24-32-40-48-56-64-72-80-88	Set girdle width.
C2	32.49°	05-11-21-27-37-43-53-59-69-75-85-91	Meet G1, C1
C3	31.22°	02-14-18-30-34-46-50-62-66-78-82-94	Meet G1, C1, C2
C4	24.71°	06-10-22-26-38-42-54-58-70-74-86-90	Meet C1, C2
C5	16.60°	03-13-19-29-35-45-51-61-67-77-83-93	Meet C3, C4
T	0.00°	Table	Meet C4, C5

When I was writing my "FutureTech" design, I got stuck, and decided to make a round version first. This one has a really cool reflection pattern that gets better with higher RIs, and should be good for a wide range of color saturations. Works in materials from quartz to rutile (RI = 1.54 - 2.62) with no changes, but I prefer CZ. Suggested size = 8-15 mm

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